

Application No. (if known): 10/749,695

Attorney Docket No.: 0113222.00146US1

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Yung-Hoon Ha

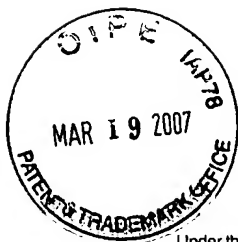
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IDS (Citation) by Applicant (216 References) (6 pages)
20 References
Information Disclosure Statement (1 page)
Fee Transmittal (1 page)
Transmittal (1 page)
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PTO/SB/21 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/749,695-Conf. #2181
	Filing Date	December 31, 2003
	First Named Inventor	Albert A. VIERHEILIG
	Art Unit	1764
	Examiner Name	P. C. Singh
Total Number of Pages in This Submission	Attorney Docket Number	0113222.00146US1

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard Form SB08 20 References Certificate of Express Mailing
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	WILMER CUTLER PICKERING HALE AND DORR LLP		
Signature			
Printed name	Yung-Hoon Ha		
Date	March 20, 2007	Reg. No.	56,368

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PTO/SB/17 (07-06)

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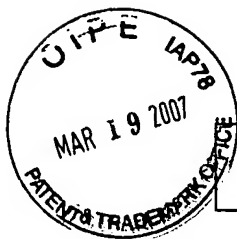
Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL For FY 2006		Application Number	10/749,695-Conf. #2181
		Filing Date	December 31, 2003
		First Named Inventor	Albert A. VIERHEILIG
		Examiner Name	P. C. Singh
		Art Unit	1764
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	0113222.00146US1
TOTAL AMOUNT OF PAYMENT		(\$)	180.00

METHOD OF PAYMENT (check all that apply)	
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> None
<input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account	Deposit Account Number: <u>08-0219</u> Deposit Account Name: <u>Wilmer Cutler Pickering Hale and Dorr LLP</u>
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
	FILING FEES		SEARCH FEES		EXAMINATION FEES		
		Small Entity		Small Entity		Small Entity	
Application Type	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
2. EXCESS CLAIM FEES							
Fee Description						Small Entity	
						Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)						50	25
Each independent claim over 3 (including Reissues)						200	100
Multiple dependent claims						360	180
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims			
				Fee (\$)	Fee Paid (\$)		
HP = highest number of total claims paid for, if greater than 20.							
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)				
HP = highest number of independent claims paid for, if greater than 3.							
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof		Fee (\$)	Fee Paid (\$)		
- 100 = _____ /50 _____ (round up to a whole number) x _____ = _____							
4. OTHER FEE(S)							
							Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)							
Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement							180.00

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	56,368
Name (Print/Type)	Yung-Hoon Ha	Telephone	(212) 230-8800
		Date	March 20, 2007

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03-21-07

IFW\$

Express Mail Label No. EV 901256381 US Dated: March 20, 2007

Docket No.: 0113222.00146US1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Albert A. VIERHEILIG et al. Confirmation No.: 2181
Application No.: 10/749,695 Art Unit: 1764
Filed: December 31, 2003 Examiner: P. C. Singh
Title: GASOLINE SULFUR REDUCTION USING HYDROTALCITE LIKE COMPOUNDS

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT (IDS)

Dear Sir:

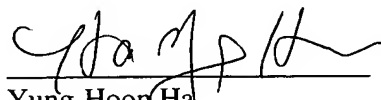
This Information Disclosure Statement is being filed before the mailing date of a final Office Action or a Notice of Allowance.

Please charge the \$180.00 fee to our Deposit Account No. 08-0219.

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

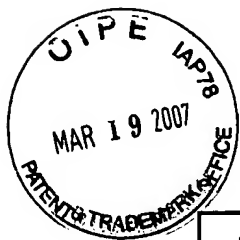
Respectfully submitted,

Dated: March 20, 2007


Yung-Hoon Ha
Registration No.: 56,368
Agent for Applicant(s)

03/22/2007 CNGUYEN2 00000063 080219 10749695
01 FC:1806 180.00 DA

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PTO/SB/08A/B (09-06)

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/749,695-Conf. #2181	
			Filing Date	December 31, 2003	
			First Named Inventor	Albert A. VIERHEILIG	
			Art Unit	1764	
			Examiner Name	P. C. Singh	
Sheet	1	of	6	Attorney Docket Number	0113222.00146US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-3,679,763	07-25-1972	Livingston	
	AB*	US-3,793,003	02-19-1974	Othmer	
	AC*	US-3,857,921	12-31-1974	Tamura et al.	
	AD*	US-3,869,500	03-04-1975	Kominami et al.	
	AE*	US-3,894,164	07-08-1975	Dismukes et al.	
	AF*	US-3,988,425	10-26-1976	Jockel et al.	
	AG*	US-3,992,498	11-16-1976	Morton et al.	
	AH*	US-4,010,233	03-01-1977	Winter et al.	
	AI*	US-4,016,189	04-05-1977	Muller et al.	
	AJ*	US-4,048,244	09-13-1977	Hayes	
	AK*	US-4,052,296	10-04-1977	Montagna	
	AL*	US-4,071,436	01-31-1978	Blanton, Jr. et al.	
	AM*	US-4,072,600	02-07-1978	Schwartz	
	AN*	US-4,082,520	04-04-1978	Baron et al.	
	AO*	US-4,093,535	06-06-1978	Schwartz	
	AP*	US-4,097,353	06-27-1978	Kishida et al.	
	AQ*	US-4,131,496	12-26-1978	Weitzel et al.	
	AR*	US-4,147,763	04-03-1979	McKinzie et al.	
	AS*	US-4,153,535	05-08-1979	Vasalos et al.	
	AT*	US-4,162,963	07-31-1979	Gorin	
	AU*	US-4,173,454	11-06-1979	Heins	
	AV*	US-4,192,855	03-11-1980	Ginger	
	AW*	US-4,199,435	04-22-1980	Chessmore et al.	
	AX*	US-4,238,317	12-09-1980	Vasalos et al.	
	AY*	US-4,247,730	01-27-1981	Brunelle et al.	
	AZ*	US-4,254,558	03-10-1981	Mayer	
	AA1*	US-4,254,616	03-10-1981	Siminski et al.	
	AB1*	US-4,255,403	03-10-1981	Mayer et al.	
	AC1*	US-4,261,862	04-14-1981	Kinoshita et al.	
	AD1*	US-4,263,020	04-21-1981	Eberly, Jr.	
	AE1*	US-4,274,942	06-23-1981	Bartholic et al.	
	AF1*	US-4,274,981	06-23-1981	Suzuki et al.	
	AG1*	US-4,280,898	07-28-1981	Tatterson et al.	
	AH1*	US-4,282,084	08-04-1981	Gross et al.	
	AI1*	US-4,325,817	04-20-1982	Bartholic et al.	
	AJ1*	US-4,358,297	11-09-1982	Eberly, Jr.	
	AK1*	US-4,374,819	02-22-1983	Palilla et al.	
	AL1*	US-4,376,103	03-08-1983	Bertolacini et al.	
	AM1*	US-4,381,993	05-03-1983	Nevitt	
	AN1*	US-4,422,888	12-27-1983	Stutius	
	AO1*	US-4,425,312	01-10-1984	Brignac	
	AP1*	US-4,432,864	02-21-1984	Myers et al.	
	AQ1*	US-4,432,896	02-21-1984	Sugiyama et al	
	AR1*	US-4,434,044	02-28-1984	Busch et al.	
	AS1*	US-4,452,854	06-05-1984	Merriam et al.	

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/749,695-Conf. #2181		
		Filing Date	December 31, 2003		
		First Named Inventor	Albert A. VIERHEILIG		
		Art Unit	1764		
		Examiner Name	P. C. Singh		
Sheet	2	of	6	Attorney Docket Number	0113222.00146US1

	AT1*	US-4,465,588	08-14-1984	Occelli et al.	
	AU1*	US-4,465,779	08-14-1984	Occelli et al.	
	AV1*	US-4,469,588	09-04-1984	Hettinger, Jr. et al.	
	AW1*	US-4,469,589	09-04-1984	Yoo et al.	
	AX1*	US-4,472,267	09-18-1984	Yoo et al.	
	AY1*	US-4,481,103	11-06-1984	Krambeck et al.	
	AZ1*	US-4,485,184	11-27-1984	Hettinger, Jr. et al.	
	AA2*	US-4,492,677	01-08-1985	Yoo et al.	
	AB2*	US-4,492,678	01-08-1985	Yoo et al.	
	AC2*	US-4,495,304	01-22-1985	Yoo et al.	
	AD2*	US-4,495,305	01-22-1985	Yoo et al.	
	AE2*	US-4,515,683	05-07-1985	Beck et al.	
	AF2*	US-4,519,897	05-28-1985	De Jong et al.	
	AG2*	US-4,520,120	05-28-1985	Mitchell et al.	
	AH2*	US-4,521,389	06-04-1985	Blanton, Jr. et al.	
	AI2*	US-4,522,937	06-11-1985	Yoo et al.	
	AJ2*	US-4,549,958	10-29-1985	Beck et al.	
	AK2*	US-4,585,632	04-29-1986	Schneider et al.	
	AL2*	US-4,602,993	07-29-1986	Myers	
	AM2*	US-4,609,537	09-02-1986	Tolpin et al.	
	AN2*	US-4,609,539	09-02-1986	Horecky et al.	
	AO2*	US-4,613,428	09-23-1986	Edison	
	AP2*	US-4,617,175	10-14-1986	Tolpin et al.	
	AQ2*	US-4,622,210	11-11-1986	Hirschberg et al.	
	AR2*	US-4,642,178	02-10-1987	Yoo et al.	
	AS2*	US-4,650,564	03-17-1987	Occelli et al.	
	AT2*	US-4,692,318	09-08-1987	Tolpin et al.	
	AU2*	US-4,708,785	11-24-1987	Myers, deceased	
	AV2*	US-4,708,786	11-24-1987	Occelli	
	AW2*	US-4,728,635	03-01-1988	Bhattacharyya et al.	
	AX2*	US-4,735,705	04-05-1988	Burk, Jr. et al.	
	AY2*	US-4,790,982	12-13-1988	Yoo et al.	
	AZ2*	US-4,824,815	04-25-1989	Kugler	
	AA3*	US-4,836,993	06-06-1989	Bertolacini et al.	
	AB3*	US-4,866,019	09-12-1989	van Broekhoven et al.	
	AC3*	US-4,883,783	11-28-1989	Burk, Jr. et al.	
	AD3*	US-4,889,615	12-26-1989	Chin et al.	
	AE3*	US-4,944,865	07-31-1990	Occelli et al.	
	AF3*	US-4,946,581	08-07-1990	van Broekhoven et al.	
	AG3*	US-4,952,382	08-28-1990	van Broekhoven et al.	
	AH3*	US-4,957,718	09-18-1990	Yoo et al.	
	AI3*	US-4,963,520	10-16-1990	Yoo et al.	
	AJ3*	US-4,973,399	11-27-1990	Green et al.	
	AK3*	US-5,037,538	08-06-1991	Chin et al.	
	AL3*	US-5,079,203	01-07-1992	Pinnavaia et al.	
	AM3*	US-5,114,898	05-19-1992	Pinnavaia et al.	
	AN3*	US-5,130,012	07-14-1992	Edwards et al.	

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
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		First Named Inventor	Albert A. VIERHEILIG		
		Art Unit	1764		
		Examiner Name	P. C. Singh		
Sheet	3	of	6	Attorney Docket Number	0113222.00146US1

	AO3*	US-5,174,890	12-29-1992	Occelli	
	AP3*	US-5,229,091	07-20-1993	Buchanan et al.	
	AQ3*	US-5,260,240	11-09-1993	Guthrie et al.	
	AR3*	US-5,262,203	11-16-1993	Leshner et al.	
	AS3*	US-5,270,272	12-14-1993	Galperin et al.	
	AT3*	US-5,288,675	02-22-1994	Kim	
	AU3*	US-5,292,492	03-08-1994	Buchanan et al.	
	AV3*	US-5,324,416	06-28-1994	Cormier et al.	
	AW3*	US-5,346,563	09-13-1994	Allen et al.	
	AX3*	US-5,364,517	11-15-1994	Dieckmann et al.	
	AY3*	US-5,371,055	12-06-1994	Cormier et al.	
	AZ3*	US-5,380,442	01-10-1995	Yan	
	AA4*	US-5,384,301	01-24-1995	Flytzani-Stephanopoulos et al.	
	AB4*	US-5,399,327	03-21-1995	Kim	
	AC4*	US-5,407,878	04-18-1995	Kim	
	AD4*	US-5,422,332	06-06-1995	Demmel	
	AE4*	US-5,429,727	07-04-1995	Vogt et al.	
	AF4*	US-5,437,783	08-01-1995	Cuthbert et al.	
	AG4*	US-5,458,861	10-17-1995	Buchanan et al.	
	AH4*	US-5,472,677	12-05-1995	Farris et al.	
	AI4*	US-5,492,684	02-20-1996	Buchanan et al.	
	AJ4*	US-5,494,879	02-27-1996	Jin et al.	
	AK4*	US-5,503,814	04-02-1996	Demmel	
	AL4*	US-5,514,351	05-07-1996	Buchanan et al.	
	AM4*	US-5,545,604	08-13-1996	Demmel	
	AN4*	US-5,547,548	08-20-1996	Siddoway	
	AO4*	US-5,547,648	08-20-1996	Buchanan et al.	
	AP4*	US-5,552,362	09-03-1996	Immel et al.	
	AQ4*	US-5,559,067	09-24-1996	Lerner et al.	
	AR4*	US-5,565,181	10-15-1996	Dieckmann et al.	
	AS4*	US-5,567,224	10-22-1996	Kundrat	
	AT4*	US-5,586,714	12-24-1996	Curicuta et al.	
	AU4*	US-5,591,417	01-07-1997	Buchanan et al.	
	AV4*	US-5,591,418	01-07-1997	Bhattacharyya et al.	
	AW4*	US-5,593,558	01-14-1997	Sugino et al.	
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	AZ4*	US-5,627,123	05-06-1997	Kim	
	AA5*	US-5,652,060	07-29-1997	Uchida et al.	
	AB5*	US-5,687,565	11-18-1997	Modica et al.	
	AC5*	US-5,705,136	01-06-1998	Drago et al.	
	AD5*	US-5,723,039	03-03-1998	Zosimov et al.	
	AE5*	US-5,728,358	03-17-1998	Avidan et al.	
	AF5*	US-5,741,469	04-21-1998	Bhore et al.	
	AG5*	US-5,750,020	05-12-1998	Bhattacharyya et al.	
	AH5*	US-5,753,198	05-19-1998	Ayala et al.	
	AI5*	US-5,762,892	06-09-1998	Kasahara et al.	

Examiner Signature		Date Considered	
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		First Named Inventor	Albert A. VIERHEILIG		
		Art Unit	1764		
		Examiner Name	P. C. Singh		
Sheet	4	of	6	Attorney Docket Number	0113222.00146US1

	AJ5*	US-5,792,338	08-11-1998	Gosling et al.	
	AK5*	US-5,792,436	08-11-1998	Feeley et al.	
	AL5*	US-5,805,973	09-08-1998	Coffinberry et al.	
	AM5*	US-5,866,496	02-02-1999	Albers et al.	
	AN5*	US-5,874,019	02-23-1999	Uchida et al.	
	AO5*	US-5,882,616	03-16-1999	Ziebarth et al.	
	AP5*	US-5,894,035	04-13-1999	Cinibulk et al.	
	AQ5*	US-5,908,804	06-01-1999	Menon et al.	
	AR5*	US-5,914,293	06-22-1999	Bhattacharyya et al.	
	AS5*	US-5,916,129	06-29-1999	Modica et al.	
	AT5*	US-5,928,496	07-27-1999	Albers et al.	
	AU5*	US-5,928,497	07-27-1999	Iaccino	
	AV5*	US-5,948,726	09-07-1999	Moskovitz et al.	
	AW5*	US-5,955,045	09-21-1999	Baur et al.	
	AX5*	US-5,958,359	09-28-1999	Buchanan et al.	
	AY5*	US-5,965,100	10-12-1999	Khanmamedov	
	AZ5*	US-5,968,870	10-19-1999	Iizuka et al.	
	AA6*	US-5,972,828	10-26-1999	Doi et al.	
	AB6*	US-5,984,997	11-16-1999	Bickmore et al.	
	AC6*	US-5,990,030	11-23-1999	McCauley	
	AD6*	US-5,998,232	12-07-1999	Maruska	
	AE6*	US-6,001,241	12-14-1999	Gosling et al.	
	AF6*	US-6,027,704	02-22-2000	Johnson et al.	
	AG6*	US-6,030,597	02-29-2000	Buchanan et al.	
	AH6*	US-6,074,984	06-13-2000	Demmel, deceased et al.	
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/749,695-Conf. #2181	
			Filing Date	December 31, 2003	
			First Named Inventor	Albert A. VIERHEILIG	
			Art Unit	1764	
			Examiner Name	P. C. Singh	
Sheet	5	of	6	Attorney Docket Number	0113222.00146US1

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Cavani et al., Hydrotalcite-Type Anionic Clays: Preparation, Properties and Applications.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/749,695-Conf. #2181
				Filing Date	December 31, 2003
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				Art Unit	1764
				Examiner Name	P. C. Singh
Sheet	6	of	6	Attorney Docket Number	0113222.00146US1

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